CORRECTED

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AMENDMENTS

IN THE CLAIMS:

Please cancel claims 28-50 without prejudice or disclaimer.

(Original) A semiconductor device, comprising:

a ferroelectric capacitor comprising:

a conductive lower electrode material formed above a semiconductor body;

a ferroelectric material formed above the lower electrode material, the ferroelectric material comprising unit cells individually comprising an elongated dimension, wherein a percentage of the unit cells are oriented with elongated dimensions substantially normal to a generally planar upper surface of the semiconductor body, and wherein the percentage is about 50% or more and about 90% or less; and

a conductive upper electrode material formed above the ferroelectric material.

- (Original) The device of claim 1, wherein the ferroelectric material comprises PZT.
- 3. (Original) The device of claim 2, wherein the percentage is about 60% or more and about 70% or less.
- 4. (Original) The device of claim 2, wherein the lower electrode material comprises Iridium.
- 5. (Original) The device of claim 2, wherein the percentage is about 50% or more and about 70% or less.

- 6. (Original) The device of claim 2, wherein the unit cells of the ferroelectric material have a tetragonal distortion of about 1% or more and about 4% or less.
- 7. (Original) The device of claim 2, wherein the PZT ferroelectric material comprises a Zr content of about 0-52%.
- 8. (Original) The device of claim 7, wherein the PZT ferroelectric material comprises a Zr content of about 10-40%.
- 9. (Original) The device of claim 1, wherein the percentage is about 60% or more and about 70% or less.
- 10. (Original) The device of claim 9, wherein the lower electrode material comprises Iridium.
- 11. (Original) The device of claim 9, wherein the percentage is about 50% or more and about 70% or less.
- 12. (Original) The device of claim 1, wherein the lower electrode material comprises Iridium.
- 13. (Original) The device of claim 1, wherein the percentage is about 50% or more and about 70% or less.
- 14. (Original) The device of claim 1, wherein the unit cells of the ferroelectric material have a tetragonal distortion of about 1% or more and about 4 % or less.
 - (Original) A ferroelectric capacitor comprising:
 a conductive lower electrode material formed above the semiconductor body;

a ferroelectric material formed above the lower electrode material, the ferroelectric material comprising unit cells individually comprising an elongated dimension; and

a conductive upper electrode material formed above the ferroelectric material; wherein the upper and lower electrodes are spaced from one another along an axis, wherein a percentage of the unit cells in the ferroelectric material are oriented with elongated dimensions substantially parallel to the axis, and wherein the percentage is about 50% or more and about 90% or less.

- 16. (Original) The ferroelectric capacitor of claim 15, wherein the ferroelectric material comprises PZT.
- 17. (Original) The ferroelectric capacitor of claim 16, wherein the percentage is about 60% or more and about 70% or less.
- 18. (Original) The ferroelectric capacitor of claim 16, wherein the lower electrode material comprises Iridium.
- 19. (Original) The ferroelectric capacitor of claim 16, wherein the percentage is about 50% or more and about 70% or less.
- 20. (Original) The ferroelectric capacitor of claim 16, wherein the unit cells of the ferroelectric material have a tetragonal distortion of about 1% or more and about 4% or less.
- 21. (Original) The ferroelectric capacitor of claim 16, wherein the PZT ferroelectric material comprises a Zr content of about 0-52%.

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- 22. (Original) The ferroelectric capacitor of claim 16, wherein the PZT ferroelectric material comprises a Zr content of about 10-40%.
- 23. (Original) The ferroelectric capacitor of claim 15, wherein the percentage is about 60% or more and about 70% or less.
- 24. (Original) The ferroelectric capacitor of claim 23, wherein the lower electrode material comprises Iridium.
- 25. (Original) The ferroelectric capacitor of claim 23, wherein the percentage is about 50% or more and about 70% or less.
- 26. (Original) The ferroelectric capacitor of claim 15, wherein the lower electrode material comprises Iridium.
- 27. (Original) The ferroelectric capacitor of claim 15, wherein the percentage is about 50% or more and about 70% or less.

28-50. (Canceled).